

(2) *Lunar Halos*.—Full moon occurred February 20, and lunar halos were generally observed over comparatively small areas, the most important one being that of the evening of 18th, when the entire country was covered by a layer of cold, damp air, which was almost simultaneously precipitated as rain or snow on the morning of the 19th at every station from which reports were received. The record for the month is as follows: 3d, Minn., Ill., and Kan.; 4th, Ill.; 7th, Ill.; 9th, Ind.; 10th, Md., D. C., Va., N. J.; Del., Me., Mass., N. H. and Pa.; 11th, Wis.; 12th, Tenn., Mich., S. C., Tex., Ga., Kan., Neb., N. Y. and Pa.; 13th, Va., Tenn., Pa., Conn., I. T., N. M., Md., Mo., N. Y., N. C., Ohio, S. C.; 14th, Ala., I. T. and N. M.; 15th, Va., Tenn., N. H., N. Y., N. C. and Utah; 16th, Ga., Pa., W. Va., Miss., Iowa, Kan., Mich., Mo., Tenn. and Wis.; 17th, Mass., Me., Ind., N. C. and Tenn.; 18th, D. C., Del., Md., Mich., N. H., N. J., N. Y., Ohio, Pa., Tenn., Vt., W. Va., Conn. and Mass.; 19th, Neb., Mich. and N. Y.; 20th, Iowa, Ill., Ind., Minn., Neb., N. J. and Ohio; 21st, Mich., Wis., Ill. and Ohio. 22d, Mass. and Mich.; 25th, Kan.; 26th, Tenn. 27th, N. H.

(3) *Mirage*.—Mirage was observed in Kansas, at Atlanta on the 3d, 4th, 5th, 8th, 14th, 15th, 26th, 27th, 28th, and at Ellenwood on the 4th, 7th, and 8th.

MISCELLANEOUS.

(1) *Zoological*.—*Blue Birds* were observed at New London on the 23d; Fort Gibson, 21st; Welborn, Fla., 20th; Burnt Mills, N. J., 22d; Bethel, Ohio, 22d; Jacksontown, Ohio, 24th; Vandalia, N. J., 25th. *Robins*.—New London, 23d; Fort Gibson, 21st; Hinsdale, Mass., 14th; Lynchburg, Va., 15th; Mt. Sterling, Ill., 20th; Bethel, Ohio, 22d; Vevay, Ind., 24th. *Frogs*.—Prospect Hill, Va., 3d and 25th; Hacienda Saluda, S. C., 20th and 24th; Troy, Ala., 23d; Cleveland, Tenn., 24th. *Seals*.—New York outer bay seen on several occasions. *Larks*.—Welborn, Fla., 12th, moving north; Bethel, Ohio, 22d; Hudson, Mich., 23d. *Wild Geese*.—Wilsonville, Ala., moving north, 19th; Wet Glaze, Mo., moving north, 20th and 21st; Cave Spring, moving north, 21st; Brook Haven, Miss., moving north, 26th; Holton, Kan., moving north, 27th; Corning, Mo., moving north, 27th; Alto Vista, Va., moving north, 27th; Wilsonville, Ala., moving north, 28th; Le Roy, Kan., (geese winter here;) Warrensburg, Mo., 20th to 27th, flying north and south. *Brant Geese*.—Le Roy, Kan., 20th. *Wild Ducks*.—Louisville, Ill., going north, 26th and 28th; Warrensburg, Mo., flying north and south, 20th to 27th. *Mocking Birds*.—Welborn, Fla., 22d. *Killdeer*.—Le Roy, Kan., 22d. *Cat Birds and Black Birds*.—Bellefontaine, Ohio, 23d. *Bees*.—Bethel, Ohio, 24th; Pennville, Penn., 25th. *Cranes*.—Prospect Hill, Va., 24th. *Buzzards*.—Bethel, Ohio, 28th.

(2) *Meteors*.—The most remarkable meteor of the month is that which actually fell on the 12th in Iowa, a fragment of which, weighing seven pounds, was found near Homestead, and is preserved in the cabinet of the State University. Brief notices are at hand regarding bright meteors from the following States: 1st, New Jersey; 3d, New York; 5th, Georgia; 7th, Wisconsin; 9th, Georgia; 12th, Illinois, Iowa, Minnesota, Nebraska, Kansas; 14th, Indiana, Pennsylvania; 21st, Pennsylvania, Florida; 24th, Missouri, Louisiana; 26th, Minnesota; 27th, Indiana, Wisconsin, Florida; 28th, Vermont.

(3) *Polar bands* are recorded on the 4th and 14th at Atlantic City; 19th, at North Platte; 15th, at Milwaukee; 21st, at Cleveland.

(4) *Zodiacal light* was observed on the 1st, in Ohio, and on the 7th, in Indiana.

(5) *Earthquakes*.—A severe shock of earthquake was felt on the 7th, at San Francisco, at 10:56, A. M., lasting from two to four seconds, and followed by another at 11:50, A. M., lasting about the same length of time. No damage is reported.

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